

IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF WASHINGTON
AT SEATTLE

MICROSOFT CORPORATION, a
Washington corporation,

Case No.

Plaintiff,

VS.

MOTOROLA, INC., and MOTOROLA
MOBILITY, INC.,

Defendants

Plaintiff Microsoft Corporation (“Microsoft”) alleges as follows for its Complaint against Motorola, Inc. and Motorola Mobility, Inc. (collectively “Motorola”):

NATURE OF THE ACTION

1. Microsoft brings this action for Motorola's breach of its commitments to the Institute of Electrical and Electronics Engineers Standards Association ("IEEE-SA"), International Telecommunications Union ("ITU"), and their members and affiliates – including Microsoft. Motorola broke its promises to license patents it asserted as related to wireless technologies known as "WLAN" and to video coding technologies generally known as

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1 "H.264" under reasonable rates, with reasonable terms, and under non-discriminatory
 2 conditions.

3 2. Participants in IEEE-SA standards setting efforts, including those directed to
 4 WLAN technology, were subject to the IEEE-SA Standard Board Bylaws concerning the
 5 submission of Letters of Assurance related to patent claims deemed "essential" by a submitting
 6 party. Clause 6 of those Bylaws (which was revised slightly over the years) generally provides
 7 in pertinent part:

8 A Letter of Assurance shall be either:

9 a) A general disclaimer to the effect that the submitter without conditions will
 10 not enforce any present or future Essential Patent Claims against any person or
 11 entity making, using, selling, offering to sell, importing, distributing, or
 12 implementing a compliant implementation of the standard; or

13 b) A statement that a license for a compliant implementation of the standard
 14 will be made available to an unrestricted number of applicants on a worldwide
 15 basis without compensation or under reasonable rates, with reasonable terms
 16 and conditions that are demonstrably free of any unfair discrimination.

17 3. Motorola openly and publicly submitted Letters of Assurance pursuant to
 18 Clause 6 of the IEEE-SA Standards Board Bylaws that it would offer to license any of its
 19 patents that it identified as "essential" to the applicable WLAN standard(s) to any entity under
 20 reasonable rates on a non-discriminatory basis. IEEE-SA and its participants and affiliates
 21 relied on Motorola's promises in developing, adopting and implementing IEEE-SA technical
 22 standards. These standards are now implemented worldwide in a variety of electronic devices
 23 that have become commonplace. Microsoft invested substantial resources in developing and
 24 marketing products in compliance with these standards, relying on the assurances of
 25 participating patent holders – including Motorola – that any patents asserted to be "essential"
 by such patent holders would be available for licensing on such terms, regardless of whether
 such patents were, in fact, used in any particular implementation.

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1 4. Participants in ITU standards setting efforts, including those directed to H.264
 2 technology, were subject to the ITU-T Common Patent Policy concerning the submission of
 3 Patent Statement and Licensing Declaration related to patents identified by a submitting party.
 4 ITU-T Common Patent Policy generally provides, in pertinent part, that a patent holder's
 5 statement may declare that :

6 (2.1) The patent holder is willing to negotiate licenses free of charge with other
 7 parties on a non-discriminatory basis on reasonable terms and conditions.
 8 (2.2) The patent holder is willing to negotiate licenses with other parties on a
 9 non-discriminatory basis on reasonable terms and conditions.

10 5. Motorola openly and publicly submitted Patent Statement and Licensing
 11 Declarations pursuant to the ITU's Common Patent Policy that it would offer to license any of
 12 its patents that it identified for the H.264 technologies to any entity under reasonable rates on a
 13 non-discriminatory basis. The ITU and its participants and affiliates relied on Motorola's
 14 promises in developing, adopting and implementing ITU H.264 technical standards. These
 15 standards are now implemented worldwide in a variety of electronic devices and software that
 16 have become commonplace. Microsoft invested substantial resources in developing and
 17 marketing products in compliance with these standards, relying on the assurances of
 18 participating patent holders – including Motorola – that any patents identified pursuant to
 19 ITU's Common Patent Policy by such patent holders would be available for licensing on such
 20 terms, regardless of whether such patents were, in fact, used in any particular implementation.

21 6. Motorola broke its promise to IEEE-SA and its members and affiliates by
 22 refusing to offer to Microsoft a license that is consistent with Clause 6 of IEEE-SA Standards
 23 Board Bylaws, instead demanding royalties that are excessive and discriminatory. Motorola
 24 broke its promise to ITU and its members and affiliates by refusing to offer to Microsoft a
 25

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1 license that is consistent with the Common Patent Policy of the ITU, instead demanding
 2 royalties that are excessive and discriminatory.

3 7. Microsoft does not accept Motorola's representation that any of its patents that
 4 it has identified to the IEEE or ITU are, in fact, necessary to the implementation of compliant
 5 implementations of WLAN or H.264 technologies; nor does Microsoft concede that the
 6 particular implementations of such technologies in its products practice any Motorola patents,
 7 including those identified by Motorola in relation to these technologies. Nonetheless,
 8 Microsoft has relied upon Motorola's, and other similarly-situated patent holders',
 9 representations that all patent controversies may be avoided based on the offer of patent
 10 licenses on reasonable rates and non-discriminatory terms.

11 8. Motorola's breach of its commitments does not depend on whether any
 12 Motorola patents which Motorola has identified in relation to standards are, in fact, "essential"
 13 to practicing those standards, whether those standards can be practiced in ways that do not
 14 infringe the identified Motorola patents or whether Microsoft has infringed any valid Motorola
 15 patents. Because Motorola promised that it would license any such patents on reasonable and
 16 non-discriminatory terms, companies that rely on those commitments are entitled to avoid
 17 becoming embroiled in patent controversies and to receive the benefit of an offer of a
 18 reasonable and non-discriminatory license.

20 9. Accordingly, Microsoft seeks: i) a judicial declaration that Motorola's promises
 21 to IEEE-SA, the ITU, and their respective members and affiliates constitute contractual
 22 obligations that are binding and enforceable by Microsoft; ii) a judicial declaration that
 23 Motorola has breached these obligations by demanding excessive and discriminatory royalties
 24 from Microsoft; iii) a judicial accounting of what constitutes a royalty rate in all respects
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1 consistent with Motorola's promises for WLAN patents identified as "essential" by Motorola
 2 and for H.264 patents identified by Motorola; and iv) a judicial determination of and
 3 compensation for Motorola's breach.

4 **PARTIES**

5 10. Plaintiff Microsoft is a Washington corporation having its principal place of
 6 business at One Microsoft Way, Redmond, Washington 98052.

7 11. Founded in 1975, Microsoft is a worldwide leader in computer software,
 8 services, and solutions for businesses and consumers. Since 1979, Microsoft has been
 9 headquartered in the Redmond, Washington area. Microsoft currently employs nearly 40,000
 10 people in the Puget Sound region and occupies nearly 8 million square feet of facilities at its
 11 Redmond campus.

12 12. Microsoft has a long history of technical innovation in the software and
 13 hardware products it develops and distributes.

15 13. Microsoft's products include Xbox video game consoles, various versions of
 16 which have been sold to consumers since 2001. Xbox has grown in popularity over the years
 17 and is now one of the most widely-sold video game consoles on the market.

18 14. Over the years that Xbox has been sold, some versions have had wireless
 19 Internet connectivity ("WLAN") built-in and some versions have had optional WLAN
 20 connectivity. All versions of Xbox that include hardware and software that allows for WLAN
 21 connectivity also offer an alternative, wired connection to the Internet. Xbox video game
 22 consoles function as video game consoles, regardless of their ability to connect to the Internet.

24 15. Microsoft relies upon third-party suppliers to provide an interface to WLAN
 25 connections. The WLAN interface provided by these third-parties is one of many components

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1 that underlie the operation and functionality of the Xbox consoles. The WLAN interface does
 2 not enable any of Xbox's core video gaming functionality. Instead, it simply enables WLAN
 3 connectivity for those consumers who choose to use that functionality.

4 16. Microsoft hardware and software products that provide users with H.264
 5 technologies further provide substantial other features and functions. By way of non-limiting
 6 example, personal computers in various configurations offer the end-user myriad features and
 7 functionality. H.264 technologies provided through Microsoft software supplied to computer
 8 and other equipment makers represent but a fraction of the end price for such products. By
 9 way of further non-limiting example, Microsoft's Xbox video game console provides video
 10 game play without reliance upon any H.264 technologies that may be made available to users
 11 through other features and functions.

12 17. Microsoft also relies upon third-party suppliers in at least some instances for
 13 H.264 technologies.

14 18. Upon information and belief, Defendant Motorola, Inc. is a corporation
 15 organized under the laws of Delaware with its principal place of business at 1303 East
 16 Algonquin Road, Schaumburg, Illinois 60196. On information and belief, Defendant Motorola
 17 Mobility, Inc. is a wholly-owned subsidiary of Motorola, Inc. and is organized under the laws
 18 of Delaware having a principal place of business at 600 North U.S. Highway 45, Libertyville,
 19 Illinois 60048. Motorola, Inc. and Motorola Mobility, Inc. will be referred to collectively
 20 herein as "Motorola" or "Defendant".

21 **JURISDICTION AND VENUE**

22 19. This Court has jurisdiction over the subject matter of this dispute pursuant to 28
 23 U.S.C. § 1332, because this is an action between citizens of different states and because the
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1 value of declaratory and injunctive relief sought, the value of Microsoft's rights this action will
 2 protect and enforce, and the extent of the injury to be prevented exceed the amount of \$75,000,
 3 exclusive of interest and costs.

4 20. On information and belief, Defendant is subject to this Court's personal
 5 jurisdiction, consistent with the principles of due process and the Washington Long Arm
 6 Statute, at least because Defendant maintains offices and facilities in the Western District of
 7 Washington, offers its products for sale in the Western District of Washington, and/or has
 8 transacted business in this District.

9 21. Venue is proper in this district pursuant to 28 U.S.C. §§ 1391(a), 1391(c), and
 10 1391(d).

12 **BACKGROUND**
 13 **Introduction to Standards**

14 22. New wireless and video coding technologies typically are only broadly
 15 commercialized after service providers and device manufacturers agree on compatible
 16 technology specifications for related products or services. For virtually all successful wireless
 17 and video coding technologies, that process has involved inclusive, multi-participant standards
 18 development efforts conducted under the auspices of leading standards development
 19 organizations.

20 23. Standards play a critical role in the development of wireless and video coding
 21 technologies. Standards facilitate the adoption and advancement of technology as well as the
 22 development of products that can interoperate with one another. Companies that produce
 23 products compatible with a standard can design products by referencing only the standard
 24 documentation, without the need to communicate separately with every other company with

25 **COMPLAINT - 7**

1 which their products may need to interoperate. Companies producing products that implement
 2 and are tested to a standard can therefore be confident that their products will operate with
 3 other products that also are compatible with that standard, and consumers of those products can
 4 be confident that products from multiple vendors will work together as intended under the
 5 standard.

6 24. As a practical matter, the technologies that are used to allow a consumer
 7 electronics device to connect wirelessly to the Internet must be described in standards adopted
 8 by a recognized SDO (standard development organization), and thereby accepted by key
 9 industry members, in order to be commercially successful. For example, Microsoft could not
 10 purchase third-party goods that enable its Xbox devices to connect wirelessly to the Internet
 11 unless those goods were compatible with standards described by an SDO.

12 25. Correspondingly, video technologies that are used to allow a consumer
 13 electronics device to display video encoded pursuant to any particular coding protocol must be
 14 described in standards adopted by a recognized SDO, and thereby accepted by key industry
 15 members, in order to be commercially successful. For example, Microsoft and computer
 16 makers could not purchase third-party products or software that provide reliable video
 17 decoding and image generation unless those products or software were compatible with
 18 standards described by an SDO.

20 26. In order to reduce the likelihood that implementers of their standards will be
 21 subject to abusive practices by patent holders, SDOs have adopted rules, policies and
 22 procedures that address the disclosure and licensing of patents that SDO participants may
 23 assert in relation to the practice of the standard under consideration. These rules, policies
 24 and/or procedures are set out in the intellectual property rights policies (“IPR policies”) of the
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1 SDOs.

2 27. Many IPR policies – including those at issue in this litigation – encourage or
 3 require participants to disclose on a timely basis the IPR, such as patents or patent applications,
 4 that they believe are sufficiently relevant to standards under consideration. These disclosures
 5 permit the SDOs and their members to evaluate technologies with full knowledge of disclosed
 6 IPR that may affect the costs of implementing the standard.

7 28. IPR policies – including those at issue in this litigation – require participants
 8 claiming to own relevant patents to negotiate licenses for those patents with any implementer
 9 of the standard on reasonable and non-discriminatory terms. As their inclusion in the IPR
 10 policies of various standards development organizations suggests, such commitments are
 11 crucial to the standards development process. They enable participants in standards
 12 development to craft technology standards with the expectation that an owner of any patented
 13 technology will be prevented from demanding unfair, unreasonable, or discriminatory licensing
 14 terms and thereby be prevented from keeping parties seeking to implement the standard from
 15 doing so or imposing undue costs or burdens on them.

17 **Wireless LAN Standards**

18 29. Motorola's unlawful licensing demands pertain in part to patents that it claims
 19 are "essential" to a widely practiced standard for wireless Internet connectivity known as
 20 "WLAN," "Wi-Fi," and/or "802.11."

21 30. WLAN enables an electronic device to access the Internet wirelessly at high
 22 speeds over short distances. WLAN networks typically consist of one or more access points
 23 that are connected to an Ethernet local area network, each of which communicates by radio
 24 signals with devices such as notebook computers and other electronics devices.

25 **COMPLAINT - 9**

31. The use of WLAN technology has grown in the United States since its introduction in the 1990s. Manufacturers now offer WLAN connectivity in various devices for various reasons.

32. WLAN is based on the 802.11 wireless networking standard developed by the Institute of Electrical and Electronics Engineers (“IEEE”) beginning in the early 1990s. The initial 802.11 protocol (“legacy 802.11”) was released in 1997. Since then, there have been a number of amendments issued, the most important of which are 802.11a (1999), 802.11b (1999), 802.11g (2003), and 802.11n (2009).

H.264 Standards

33. Motorola's unlawful licensing demands pertain in part to patents that it has identified to the ITU and its members in relation to H.264 technologies.

34. H.264 technologies provide video decoding in such applications as DVD players, videos available for downloading or replay on the Internet, web software, broadcast services, direct-broadcast satellite television services, cable television services, and real-time videoconferencing.

35. The use of H.264 technology has grown in the United States since its introduction. Manufacturers now offer H.264 connectivity in various software and devices for various reasons.

36. H.264 technology was developed as a standard set of technologies at least in part through the auspices of the International Telecommunications Union (“ITU”).

Motorola's Involvement in Development of the WLAN Standards

37. The standard setting arm of IEEE, the IEEE Standards Association (“IEEE-SA”), promulgates technical standards in a variety of fields, including telecommunications.

1 IEEE-SA had an IPR policy at the time it was drafting the 802.11 (WLAN) protocols. Under
 2 the IPR policy, when individuals participating in IEEE standards development came to believe
 3 that a company, university, or other patent holder owned patents or patent applications that
 4 might be “essential” to implement an IEEE standard under development, IEEE-SA would
 5 request Letters of Assurance from those entities.

6 38. The requirements for the Letters of Assurance sought by IEEE are set forth in
 7 Clause 6 of the IEEE-SA Standards Board Bylaws.

8 39. According to IEEE’s IPR policy, Letters of Assurance, once provided, are
 9 irrevocable and shall be in force at least until the standard’s withdrawal.

10 40. If the Letters of Assurance were not provided for patents asserted to be
 11 “essential” by participants, the IEEE working group either would revise the standard so that
 12 compliance could be achieved without facing any potential issues related to such patent(s),
 13 discontinue work on the standard altogether, or otherwise proceed in a manner consistent with
 14 the non-disclosure and lack of Letters of Assurance so that participating and relying entities
 15 would not be exposed to discriminatory patent assertions and/or unreasonable licensing terms.

17 41. Motorola has represented to Microsoft that it owns rights in a number of patents
 18 and pending applications that it asserts are or may become “essential” to comply with one or
 19 more amendments to the 802.11 standard. By way of example, Motorola has represented to
 20 Microsoft that the following patents, among others, are or may become “essential” to comply
 21 with one or more amendments to the 802.11 standard: U.S. Patent Nos. 5,319,712; 5,311,516;
 22 5,572,193; 5,311,516; and 5,636,223. The full list of patents is provided in Appendix A.
 23 Microsoft does not concede that such listed patents are either “essential” to the 802.11
 24 standards or that such patents are practiced in the implementation of such standards in any
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1 Microsoft products.

2 42. On information and belief, Motorola obtained rights to several of THE WLAN
 3 patents it has represented as “essential” through its recent acquisition of Symbol Technologies,
 4 Inc. (“Symbol”).

5 43. Prior to the releases of the 802.11 protocols, Motorola and Symbol submitted
 6 Letters of Assurance to the IEEE pursuant to Clause 6 of the IEEE-SA Standards Board
 7 Bylaws with respect to those protocols, guaranteeing that any “essential” patents would be
 8 licensed under reasonable and non-discriminatory terms and conditions. Both Motorola’s and
 9 Symbol’s Letters of Assurance apply to any “essential” patents they then held as well as any
 10 other “essential” patents they subsequently obtained.

11 44. In reliance on these letters of assurance, IEEE released the 802.11 standard and
 12 various amendments to that standard which Motorola asserts incorporated Motorola’s and
 13 Symbol’s patented technology. On information and belief, absent the Letters of Assurance, the
 14 relevant IEEE working groups would have either revised the standards, employing alternative
 15 technologies instead, or stopped working on the protocols.

17 45. In submitting its Letter of Assurance pursuant to the applicable IEEE IPR
 18 policy, Motorola entered into an actual or implied contract with IEEE, for the benefit of IEEE
 19 members and any entity that implements the 802.11 standard. Motorola is bound by its
 20 agreements to offer licenses consistent with the referenced IEEE bylaws.

21 46. Similarly, Symbol, in submitting its Letter of Assurance pursuant to the
 22 applicable IEEE IPR policy, entered into an actual or implied contract with IEEE, for the
 23 benefit of IEEE members and any other entity that implements the 802.11 standard, and
 24 Motorola is bound by that commitment.

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Motorola's Involvement in Development of the H.264 Standards

47. ITU is the leading United Nations agency for information and communication technology issues, and the global focal point for governments and the private sector in developing networks and services. ITU historically has coordinated the shared global use of the radio spectrum, promoted international cooperation in assigning satellite orbits, worked to improve telecommunication infrastructure in the developing world, established the worldwide standards that foster seamless interconnection of a vast range of communications systems and addressed the global challenges of our times, such as strengthening cybersecurity.

48. In conjunction with its efforts to provide standards in support of its stated goals, the ITU requires that its members and participants adhere to the Common Patent Policy stated above.

49. According to ITU's IPR policy, Patent Statement and Licensing Declarations, once provided, are irrevocable and shall be in force at least until the standard's withdrawal.

50. If the Patent Statement and Licensing Declarations were not provided for relevant patents from participants, the ITU either would revise the standard so that compliance could be achieved without facing any potential issues related to such patent(s), discontinue work on the standard altogether, or otherwise proceed in a manner consistent with the non-disclosure and lack of Patent Statement and Licensing Declarations so that participating and relying entities would not be exposed to discriminatory patent assertions and/or unreasonable licensing terms.

51. Motorola has represented to Microsoft and others that it owns rights in a number of patents and pending applications that are or may be embodied fully or partly within H.264 technologies as endorsed by ITU and has identified these patents to the ITU. Microsoft

1 does not concede that such listed patents are either “essential” to the 802.11 standards or that
 2 such patents are practiced in the implementation of such standards in any Microsoft products.

3 52. Motorola submitted Patent Statement and Licensing Declarations to the ITU
 4 pursuant to its Common Patent Policy with respect to those protocols, guaranteeing that
 5 Motorola’s identified patents would be licensed under reasonable and non-discriminatory terms
 6 and conditions.

7 53. In reliance on these Patent Statement and Licensing Declarations, ITU
 8 proceeded with the H.264 standard and various amendments to that standard which Motorola
 9 asserts incorporated Motorola’s patented technology. On information and belief, absent the
 10 Patent Statement and Licensing Declarations, the ITU would have either revised the standards,
 11 employing alternative technologies instead, or stopped working on the protocols.

12 54. In submitting its Patent Statement and Licensing Declarations pursuant to the
 13 applicable ITU policy, Motorola entered into an actual or implied contract with ITU, for the
 14 benefit of ITU members and any entity that implements the H.264 technologies. Motorola is
 15 bound by its agreements to offer licenses consistent with the referenced ITU Common Patent
 16 Policy.

17 **Microsoft’s Reliance on Commitments with Respect to WLAN and H.264 Technologies**

18 55. Microsoft has participated in the development of the IEEE WLAN standards.

19 56. Microsoft and other companies participating in the development of WLAN in
 20 IEEE relied on Motorola’s commitments to ensure that the royalties Motorola would seek
 21 would conform to the promises made by Motorola.

22 57. In reliance on the integrity of the SDO process and the commitments made by
 23 Motorola and others regarding WLAN patents they deem “essential,” Microsoft began

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 25 **COMPLAINT - 14**

1 providing its Xbox video game consoles with WLAN connectivity. By way of example,
 2 Microsoft purchased and incorporated into its Xbox 360 video game consoles third-party-
 3 manufactured interfaces that provide Xbox 360 devices with WLAN connectivity. Microsoft
 4 made its decision to provide its Xbox video game consoles with WLAN connectivity in
 5 reliance on, and under the assumption that, it and/or any third party supplier could avoid patent
 6 litigation and take a license to any patents that Motorola, or any other company, has disclosed
 7 to the WLAN standard under IEEE's well publicized IPR policy.

8 58. Microsoft and other manufacturers of WLAN-compliant devices necessarily
 9 relied on the commitments of Motorola and others to disclose and license any identified
 10 patents under these terms to avoid any patent controversy even if such patents are not
 11 necessary to compliant implementations nor actually practiced in any particular
 12 implementation.

13 59. Microsoft has participated in the development of the H.264 technologies.

14 60. Microsoft and other companies participating in the development of H.264 under
 15 the auspices of the ITU relied on Motorola's commitments to ensure that the royalties
 16 Motorola would seek for identified patents would conform to the promises made by Motorola.

17 61. Correspondingly, in reliance on the integrity of the SDO process and
 18 specifically the commitments made by Motorola and others regarding patents related to H.264
 19 technologies, Microsoft began providing its H.264 technology capability in its Xbox video
 20 game consoles. Microsoft made its decision to provide its Xbox video game consoles with
 21 H.264 technology in reliance on, and under the assumption that, it and/or any third party
 22 supplier could avoid patent litigation and take a license to any patents that Motorola, or any
 23 other company, has disclosed to the ITU under its well-publicized IPR policy.
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25 **COMPLAINT - 15**

1 62. Microsoft made similar investments in other fields, including Windows 7 and
 2 Windows Phone 7, based upon Motorola's representations in relation to the H.264 technology
 3 standards.

4 63. Microsoft and other manufacturers and suppliers of H.264 compliant technology
 5 necessarily relied on the commitments of Motorola and others to license their identified patents
 6 under these terms to avoid any patent controversy even if such patents are not necessary to
 7 compliant implementations nor actually practiced in any particular implementation.

8 **Motorola's Breach of Its Contractual Obligation to License Its Identified Patents on The**
 9 **Promised Terms**

10 64. In willful disregard of the commitments it made to IEEE and the ITU, Motorola
 11 has refused to extend to Microsoft a license consistent with Motorola's promises for any of
 12 Motorola's identified patents.

13 65. Instead, Motorola is demanding royalty payments that are wholly
 14 disproportionate to the royalty rate that its patents should command under any reasonable
 15 calculus. Motorola has discriminatorily chosen Microsoft's Xbox product line and other multi-
 16 function, many-featured products and software, such as Windows 7 and Windows Phone 7 and
 17 products incorporating Microsoft software, for the purpose of extracting unreasonable royalties
 18 from Microsoft.

19 66. By way of non-limiting example, each Xbox device includes substantial
 20 software and many computer chips and modules that perform various functions, including to
 21 enable Xbox's core functionality as a video gaming machine. Of those, the Xbox console
 22 includes one – an interface provided to Microsoft by third-parties – that allows consumers
 23 optionally to connect an Xbox to the Internet using a WLAN connection.

25 **COMPLAINT - 16**

1 67. The third-party WLAN interface does not enable any of Xbox's core video
 2 gaming functionality. In addition, Microsoft allows consumers an alternative, wired method to
 3 connect to the Internet. This alternative method does not require use of any WLAN
 4 technology.

5 68. By way of further non-limiting example, each personal computer running
 6 Windows 7 includes substantial software and many computer chips and modules that perform
 7 various functions, including those related to the general operation of a computing device. Of
 8 those, each personal computer includes just a portion directed to H.264 technologies.

9 69. By way of further non-limiting example, each smartphone running Windows
 10 Phone 7 includes substantial software and many computer chips and modules that perform
 11 various functions, including those related to the general and particularized operation of a
 12 smartphone independent of H.264 technology. Of those, each smartphone includes just a
 13 portion directed to H.264 technologies.

14 70. By letter to Microsoft, dated October 21, 2010, Kirk Dailey, Motorola's
 15 Corporate Vice President Intellectual Property, stated that a royalty for a license to its
 16 purported "essential" patents must be based on "the price of the end product (e.g., each Xbox
 17 360 product) and not on component software." The cost of the chips and associated
 18 components that provide wireless connectivity for Xbox 360 consoles is a small fraction of the
 19 overall cost of the device. Motorola thus seeks a royalty on components of Xbox 360 which
 20 are disproportionate to the value and contribution of its purportedly "essential" patents and has
 21 declined to offer a license to its purported "essential" patents unless it receives exorbitant and
 22 discriminatory royalty payments to which it is not entitled. On information and belief,
 23 Motorola has not previously entered into a license agreement for its purported "essential"
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 25

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1 patents that is comparable to the demand made of Microsoft. Motorola has thereby refused to
 2 offer to license the patents at a reasonable rate, with reasonable terms, under conditions that are
 3 demonstrably free of any unfair discrimination.

4 71. By letter to Microsoft, dated October 29, 2010, Kirk Dailey, Motorola's
 5 Corporate Vice President Intellectual Property, stated that a royalty for a license to its
 6 identified patents must be based on "the price of the end product (e.g., each Xbox 360 product,
 7 each PC/laptop, each smartphone, etc.) and not on component software (e.g., Xbox 360 system
 8 software, Windows 7 software, Windows Phone 7 software, etc.)." The cost such component
 9 software and any inter-related hardware is a small fraction of the overall cost of the listed
 10 devices. Motorola thus seeks a royalty on software and hardware components of Xbox 360
 11 and other devices which are unrelated to its identified patents and has declined to offer a
 12 license unless it receives exorbitant royalty payments to which it is not entitled. On
 13 information and belief, Motorola has not previously entered into a license agreement for its
 14 identified patents that is comparable to the demand made of Microsoft. Motorola has thereby
 15 refused to offer to license the patents at a reasonable rate, with reasonable terms, on a non-
 16 discriminatory basis.

18 72. Regardless of whether there exists any actual use of Motorola patent claims in
 19 any specific implementation that is compliant with the applicable standards, Motorola has
 20 represented that it possesses patents relevant to such implementations. On that basis, Motorola
 21 is required to tender an offer to license its identified patents in all respects consistent with its
 22 binding assurances to the IEEE, the ITU, and participating members.

23 73. Motorola's demands constitute a breach of its WLAN and H.264 commitments.

25 **COMPLAINT - 18**

CLAIMS FOR RELIEF
FIRST CAUSE OF ACTION

(Breach Of Contract)

74. Microsoft realleges and incorporates by reference the allegations set forth in paragraphs 1-73 above.

75. Motorola entered into express or implied contractual commitments with IEEE-SA, the ITU and their respective members and affiliates relating to the WLAN standard and H.264 technologies.

76. Each third party that would potentially implement WLAN and H.264 technologies was an intended beneficiary of those contracts.

77. Motorola was contractually obligated to offer a license to its identified patents consistent with the applicable patent policy of the IEEE-SA Standards Board Bylaws and the ITU, respectively.

78. Motorola breached these contracts by refusing to offer licenses to its identified patents under reasonable rates, with reasonable terms, and on a non-discriminatory basis.

79. As a result of this contractual breach, Microsoft has been injured in its business or property, and is threatened by imminent loss of profits, loss of customers and potential customers, and loss of goodwill and product image.

80. Microsoft will suffer irreparable injury by reason of the acts, practices, and conduct of Motorola alleged above until and unless the Court enjoins such acts, practices, and conduct

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SECOND CAUSE OF ACTION

(Promissory Estoppel)

81. Microsoft realleges and incorporates by reference the allegations set forth in paragraphs 1-73.

82. Motorola made a clear and definite promise to potential licensees through its commitments to IEEE and the ITU that it would license identified patents under reasonable rates, with reasonable terms, and on a non-discriminatory basis.

83. The intended purpose of Motorola's promises was to induce reliance. Motorola knew or should have reasonably expected that this promise would induce companies producing products in wireless networking and H.264 technologies, like Microsoft, to develop products compliant with the relevant standards.

84. Microsoft developed and marketed its products and services in reliance on Motorola's promises, as described above, including making its products and services compliant with WLAN technical standards and including H.264 technologies in various Microsoft product offerings.

85. Motorola is estopped from renegeing on these promises to the IEEE and the ITU under the doctrine of promissory estoppel.

86. Microsoft has been harmed as a result of its reasonable reliance on Motorola's promises and is threatened by the imminent loss of profits, loss of customers and potential customers, and loss of goodwill and product image.

87. Microsoft will suffer irreparable injury by reason of the acts and conduct of Motorola alleged above until and unless the court enjoins such acts, practices and conduct.

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THIRD CAUSE OF ACTION**(Waiver)**

88. Microsoft realleges and incorporates by reference the allegations set forth in paragraphs 1-73.

89. Motorola expressly stated in its declarations to IEEE and the ITU that it would license its identified patents under reasonable rates and non-discriminatory terms.

90. Through this express statement, Motorola voluntarily and intentionally waived its rights to obtain compensation for its identified patents for the WLAN and H.264 standards other than at reasonable rates and on non-discriminatory terms.

91. Microsoft will suffer irreparable injury by reason of the acts and conduct of Motorola alleged above until and unless the court enjoins such acts, practices, and conduct.

FOURTH CAUSE OF ACTION**(Declaratory Judgment That Motorola's Offers Do Not Comply with Its Obligations)**

92. Microsoft realleges and incorporates by reference the allegations set forth in paragraphs 1-73.

93. There is a dispute between the parties concerning whether Motorola has offered to license to Microsoft patents consistent with Motorola's declarations and the referenced policy of the IEEE-SA Standards Board and the ITU.

94. The dispute is of sufficient immediacy and reality to warrant the issuance of a declaratory judgment.

95. Microsoft is entitled to a declaratory judgment that Motorola has not offered license terms to Microsoft conforming to applicable legal requirements.

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COMPLAINT - 21

PRAYER FOR RELIEF

WHEREFORE, Microsoft prays for relief as follows:

- A. Adjudge and decree that Motorola is liable for breach of contract;
- B. Adjudge and decree that Motorola is liable for promissory estoppel;
- C. Enter judgment against Motorola for the amount of damages that Microsoft proves at trial;
- D. Enter a judgment awarding Microsoft its expenses, costs, and attorneys fees in accordance with Rule 54(d) of the Federal Rules of Civil Procedure;
- E. Enjoin Motorola from further demanding excessive royalties from Microsoft that are not consistent with Motorola's obligations;
- F. Decree that Motorola has not offered royalties to Microsoft under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination;
- G. Decree that Microsoft is entitled to license from Motorola any and all patents that Motorola deems "essential" to WLAN technology under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination;
- H. Decree that Microsoft is entitled to license from Motorola any and all patents that Motorola has identified to the ITU in relation to H.264 technology on a non-discriminatory basis on reasonable terms and conditions; and
- I. For such other and further relief as the Court deems just and proper.

COMPLAINT - 22

1 DATED this 9th day of November, 2010.

2 DANIELSON HARRIGAN LEYH & TOLLEFSON LLP

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COMPLAINT - 23

APPENDIX A

APPENDIX A

<u>PATENT NO.</u>	<u>TITLE</u>
4,860,003	Communication System Having a Packet Structure Field
5,142,533	Method for Controlling the Scheduling of Multiple Access to Communication Resources
5,164,986	Formation of Rekey Messages in a Communication System
5,239,294	Method for Authentication and Protection of Subscribers in Telecommunication Systems
5,572,193	Method for Authentication and Protection of Subscribers in Telecommunications Systems
5,272,724	Wideband Signal Synchronization
5,319,712	Method and Apparatus for Providing Cryptographic Protection of a Data Stream in a Communication System
5,329,547	Method and Apparatus for Coherent Communication in a Spread-Spectrum Communication System
5,467,398	A Method of Messaging in a Communication System
5,560,021	A Power Management and Packet Delivery Method for Use in a Wireless Local Area
5,636,223	Methods of Adaptive Channel Access Attempts
5,689,563	Method and Apparatus for Efficient Real-Time Authentication and Encryption in a Communication System
5,822,359	A Coherent Random Access Channel in a Spread-Spectrum Communications System and Method
5,311,516	Paging System Using Message Fragmentation to Redistribute Traffic
6,069,896	Capability Addressable Network and Method Therefor
6,331,972	Personal Data Storage and Transaction Device System and Method
5,495,482	Voice and Data Packet Communication Method and Apparatus
5,357,571	A Method for Point-to-Point Communications within Secure Communication Systems
5,412,722	Encryption Key Management
5,029,183	Packet Data Communication System
5,479,441	Packet Data Communication System
5,519,730	Communication Signal Having a Time Domain Pilot Component
6,236,674	Transceiver Control with Sleep Mode Operation
6,404,772	Voice and Data Wireless Communications Network and Method
6,473,449	High-Data-Rate Wireless Local Area Network
7,143,333	Method and Apparatus for Encoding and Decoding Data
7,493,548	Method and Apparatus for Encoding and Decoding Data
7,165,205	Method and Apparatus for Encoding and Decoding Data